RESOLUTION - ACTION REQUESTED 2016-376

MEETING: July 12, 2016

TO: The Board of Supervisors

FROM: Rick Peresan, Technical Services Director

RE: 2016 Labor Day Fair Parade

RECOMMENDATION AND JUSTIFICATION:
Declare the September 3, 2016, Labor Day Parade a County Sponsored Event; approve issuance of a County insurance certificate to Caltrans; approve the application for a Cal Trans Encroachment Permit in support of closing Hwy 140 11AM - 12:30PM, between Hwy 49 North and Hwy 49 South, on Saturday, September 3, 2016; and authorize the Board of Supervisors Chair to sign the letter and encroachment permit documenting the Board’s support and approval.

BACKGROUND AND HISTORY OF BOARD ACTIONS:
The Board has traditionally supported the annual Labor Day Parade.

ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:
Cal Trans will likely deny the Encroachment Permit Application and endanger the traditional Labor Day Parade.

ATTACHMENTS:
Parade Map (PDF)
2016 CalTrans EP Std._E.P._Application_(TR-0100)-flattened (PDF)
2016 Labor Day Parade Caltrans Letter (PDF)
2016 PWD Encroachment Permit (PDF)
2016 CHP Letter (PDF)

CAO RECOMMENDATION
Requested Action Recommended

Mary Hodson, CAO 7/6/2016
RESULT: ADOPTED BY CONSENT VOTE [UNANIMOUS]
MOVER: Rosemarie Smallcombe, District I Supervisor
SECONDER: Marshall Long, District III Supervisor
AYES: Smallcombe, Jones, Long, Cann, Carrier
July 12, 2016

Mr. Bob Gill
Department of Transportation District 10
PO Box 2048
Stockton California 95201

Dear Mr. Gill,

On July 12, 2016, the Mariposa County Board of Supervisors adopted a Resolution approving the detour of traffic from state routes to Mariposa County roadways on September 3, 2016 for the duration of the “Labor Day Fair Parade” that is sponsored by Mariposa County and the Mariposa Lions Club.

Mariposa County agrees to hold Cal Trans and the State of California harmless for any damages to county roadways as a result of the detour.

Thank you for your consideration in this matter.

Sincerely,

John Carrier
Chair, Mariposa County Board of Supervisors

cc: Board of Supervisors
STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
STANDARD ENCROACHMENT PERMIT APPLICATION
TR-0100 (REV. 03/2015)

Please type or print clearly your answers. Complete ALL fields, write "N/A" if not applicable.
This application is not complete until all requirements have been approved.

Permission is requested to encroach on the State Highway right-of-way as follows:

<table>
<thead>
<tr>
<th>1. COUNTY</th>
<th>2. ROUTE</th>
<th>3. POSTMILE</th>
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<tbody>
<tr>
<td>Mariposa County</td>
<td>140</td>
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<tr>
<th>4. ADDRESS OR STREET NAME</th>
<th>5. CITY</th>
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<tr>
<td>5100 Bullion Street</td>
<td>Mariposa</td>
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<th>6. CROSS STREET (Distance and direction from project site)</th>
<th>7. PORTION OF RIGHT-OF-WAY</th>
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<tr>
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<td>Hwy 140</td>
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<th>8. WORK TO BE PERFORMED BY</th>
<th>9. ESTIMATED START DATE</th>
<th>10. ESTIMATED COMPLETION DATE</th>
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<tr>
<td>[ ] OWN FORCES</td>
<td>September 3, 2016</td>
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<td>[ ] CONTRACTOR</td>
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<th>11. EXCAVATION</th>
<th>MAX. DEPTH</th>
<th>AVG. DEPTH</th>
<th>AVG. WIDTH</th>
<th>LENGTH</th>
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<th>12. ESTIMATED COST WITHIN STATE HIGHWAY RIGHT-OF-WAY</th>
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<th>13. PIPES</th>
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<th>15. [ ] Double Permit</th>
<th>Parent Permit Number</th>
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<tr>
<td>Applicant’s Reference Number / Utility Work Order Number</td>
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<tr>
<th>16. Have your plans been reviewed by another Caltrans branch?</th>
<th>[ ] NO</th>
<th>[ ] YES (if &quot;YES&quot;)</th>
<th>Who?</th>
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17. Completely describe work to be done within STATE Highway right-of-way:

Detour Traffic on Hwy 140 between HWY 49 North and HWY 49 South in the Town of Mariposa on September 3, 2016 10:50 am - 12:30 PM for the annual Labor Day Fair Parade.

18. Is a City, County or other public agency involved in the approval of this project?

[ ] YES (If "YES", check type of project AND attach environmental documentation and conditions of approval)

[ ] COMMERCIAL DEVELOPMENT [ ] BUILDING [ ] GRADING [ ] OTHER

[ ] CATEGORICALLY EXEMPT [ ] NEGATIVE DECLARATION [ ] ENVIRONMENTAL IMPACT REPORT [ ] OTHER

[ ] NO (If "NO", please check the category below which best describes the project AND answer questions A - K on page 2)

[ ] DRIVEWAY OR ROAD APPROACH, RECONSTRUCTION, MAINTENANCE OR RESURFACING [ ] FENCE
[ ] PUBLIC UTILITY MODIFICATIONS, EXTENSIONS, HOOKUPS [ ] MAILBOX
[ ] FLAGS, SIGNS, BANNERS, DECORATIONS, PARADES AND CELEBRATIONS [ ] EROSION CONTROL
[ ] OTHER [ ] LANDSCAPING

ADA NOTICE: For individuals with sensory disabilities, this document is available in alternate formats. For information, call (916) 445-1233, TTY 711, or write to Records and Forms Management, 1120 N Street, MS-86, Sacramento, CA 95814.
The following questions must be completed when a City, County or other public agency is NOT involved in the approval of this project.

Your answers to these questions will assist Departmental staff in identifying any physical, biological, social or economic resources that may be affected by your proposed project within State Highway right-of-way and to determine which type of environmental studies may be required to approve your application for an encroachment permit.

It is the applicant's responsibility for the production of all required environmental documentation and supporting studies and in some cases this may be costly and time consuming. If possible, attach photographs of the location of the proposed project. Please answer these questions to the best of your ability. Provide a description of any "YES" answers (type, name, number, etc.)

A. Will any existing vegetation and/or landscaping within State Highway right-of-way be disturbed?

NO

B. Are there waterways (e.g. river, creek, pond, natural pool or dry streambed) adjacent to or within the limits of the project or State Highway right-of-way?

NO

C. Is the proposed project located within five miles of the coast line?

NO

D. Will the proposed project generate construction noise levels greater than 86 dBA (e.g. jackhammering, pile driving)?

NO

E. Will the proposed project incorporate land from a public park, recreation area or wildlife refuge open to the public?

NO

F. Are there any recreational trails or paths within the limits of the proposed project or State Highway right-of-way?

NO

G. Will the proposed project impact any structures, buildings, rail lines or bridges within State Highway right-of-way?

NO

H. Will the proposed project impact access to any businesses or residences?

NO

I. Will the proposed project impact any existing public utilities or public services?

NO

J. Will the proposed project impact existing pedestrian facilities, such as sidewalks, crosswalks or overcrossings?

NO

K. Will new lighting be constructed within or adjacent to State Highway right-of-way?

NO

19. Will this project cause a substantial change in the significance of a historical resource (45 years or older), or cultural resource? ☐ YES ☑NO (If "YES", provide a description)

20. Is this project on an existing State Highway or street where the activity involves removal of a scenic resource including a significant tree or stand of trees, a rock outcropping or a historic building? ☑YES ☐NO (If "YES", provide a description)

21. Is work being done on the applicant's property? ☐ YES ☑NO (If "YES", attach 6 complete sets of site and grading plans.)

22. Will the proposed project require the disturbance of soil? ☐ YES ☑NO

If "YES", estimate the area within State Highway right-of-way in square feet AND acres: _______________ (ft²) AND _______________ (acres)

estimate the area outside of State Highway right-of-way in square feet AND acres: _______________ (ft²) AND _______________ (acres)

23. Will the proposed project require dewatering? ☐ YES ☑NO

If "YES", estimate total gallons AND gallons/month: _______________ (gallons) AND _______________ (gallons/month)

SOURCE: ☐ STORM WATER ☑ NON-STORM WATER


24. How will any storm water or ground water be disposed of from within or near the limits of the proposed project?

☐ Storm Drain System ☐ Combined Sewer / Storm System ☐ Storm Water Retention Basin

☐ Other (explain):
PLEASE READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.

The applicant, understands and herein agrees that an encroachment permit can be denied, and/or a bond required for non-payment of prior or present encroachment permit fees. Encroachment Permit fees may still be due when an application is withdrawn or denied, and that a denial may be appealed, in accordance with the California Streets and Highways Code, Section 671.5. All work shall be done in accordance with the California Department of Transportation’s (Department) rules and regulations subject to inspection and approval.

The applicant, understands and herein agrees to the general provisions, special provisions and conditions of the encroachment permit, and to indemnify and hold harmless the State, its officers, directors, agents, employees and each of them (Indemnitees) from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorneys’ fees, judgments, losses and liabilities of every kind and nature whatsoever (Claims) arising out of or in connection with the issuance and/or use of this encroachment permit and the placement and subsequent operation and maintenance of said encroachment for: 1) bodily injury and/or death to persons including but not limited to the Applicant, the State and its officers, directors, agents and employees, the Indemnitees, and the public; and 2) damage to property of anyone. Except as provided by law, the indemnification provisions stated above shall apply regardless of the existence or degree of fault of Indemnitees. The Applicant, however, shall not be obligated to indemnify Indemnitees for Claims arising from the sole negligence and willful misconduct of State, its officers, directors, agents or employees.

An encroachment permit is not a property right and does not transfer with the property to a new owner.

COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990: All work within State Highway right-of-way shall be conducted in compliance with all applicable Federal, State and Local Access laws, regulations and guidelines including but not limited to the Americans with Disabilities Act Accessibility Guidelines (ADAAG), the Public Rights-Of-Way Guidelines (PROWG), the Department’s current Design Information Bulletin 82, “Pedestrian Accessibility Guidelines for Highway Projects”, the Department’s Encroachment Permits Manual and encroachment permit.

DISCHARGES OF STORM WATER AND NON-STORM WATER: All work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit issued to the Department, to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department’s Encroachment Permits Manual and encroachment permit. Compliance with the Department’s NPDES permit requires amongst other things, the preparation and submission of a Storm Water Pollution Protection Plan (SWPPP), or a Water Pollution Control Program (WPCP), and the approval of same by the appropriate reviewing authority prior to the start of any work. Information on the requirements may also be reviewed on the Department’s Construction Website at:

http://www.dot.ca.gov/hq/construc/stormwater

25. NAME OF APPLICANT OR ORGANIZATION
Mariposa County

ADDRESS OF APPLICANT OR ORGANIZATION WHERE PERMIT IS TO BE MAILED (Include City and Zip Code)
4639 Ben Hur Road Mariposa CA 95338

E-MAIL ADDRESS
tstobbe@mariposacounty.org

PHONE NUMBER
209 966 5356

FAX NUMBER

25. NAME OF AUTHORIZED AGENT / ENGINEER (A “Letter of authorization” is required if different from #25)
John Carrier

ADDRESS OF AUTHORIZED AGENT / ENGINEER (Include City and Zip Code)
PO Box 784, 5100 Bullion St Mariposa CA 95338

E-MAIL ADDRESS
carrier@mariposacounty.org

PHONE NUMBER
209 966 3222

FAX NUMBER

27. NAME OF BILLING CONTACT (Same as #25)☐ Same as #26 ☐

BILLING ADDRESS WHERE INVOICE(S) IS/ARE TO BE MAILED (Include City and Zip Code)
4639 Ben Hur Road Mariposa CA 95338

E-MAIL ADDRESS
tstobbe@mariposacounty.org

PHONE NUMBER
209 966 5356

FAX NUMBER

28. SIGNATURE OF APPLICANT OR AUTHORIZED AGENT
John Carrier

29. PRINT OR TYPE NAME
John Carrier

30. TITLE
Board Chair

31. DATE
7/5/16
Junes 16, 2016

File No.: File No.:455.16393.A13242.Lionsclub

Mariposa County Board of Supervisors
P.O. Box 276
Mariposa, CA  95338

Dear Board Members:

The Mariposa office of the California Highway Patrol has received and reviewed an application from the Mariposa Lions Club for a Labor Day Parade in downtown Mariposa. This event is scheduled for September 3, 2016. We ask that while the event is being held, the responsible individual(s) requesting approval, ensure adequate parking areas are available to both event personnel and attendees to prevent any vehicles from parking or interfacing with traffic on SR 140. In the event more vehicles arrive than anticipated, the responsible individual(s) are asked to immediately notify the CHP at (209) 356-2900.

We appreciate you allowing us the opportunity to respond to the potential concerns we foresee. In the event there are any problems obtaining Cal Trans encroachment permit please contact us. If there is any additional assistance which can be provided by the California Highway Patrol, please contact Sergeant Sam Arrington at (209) 966-3656.

Sincerely,

R. I. Hagen, Lieutenant
Commander
Mariposa Area
MARIPOSA COUNTY
APPLICATION FOR ENCROACHMENT

TO: PUBLIC WORKS DEPARTMENT DATE:__7/5/16____ BUILDING PERMIT:__N/A____
4639 BEN HUR ROAD
MARIPOSA, CA 95338

THE UNDERSIGNED HEREBY APPLIES FOR PERMISSION TO EXCAVATE, CONSTRUCT, AND/OR
OTHERWISE ENCROACH ON A COUNTY RIGHT-OF-WAY ON _BULLION ST._____ ROAD AND
AGREES TO DO THE WORK IN ACCORDANCE WITH COUNTY RULES AND REGULATIONS AND
SUBJECT TO COUNTY INSPECTION AND APPROVAL, BY PERFORMING THE FOLLOWING
WORK: (PLEASE FILL IN ALL BLANKS THAT APPLY).

1. ____ DRIVEWAY
   ___ ROAD CROSSING
   _____ WATER PIPE, CULVERT, ETC.
   ___ LDA ROAD

2. ____ NEW BUILDING/HOME
   ___ REMODEL EXISTING
   ___ NEW MAILBOX
   ___ OTHER (EXPLAIN BELOW)

3. DRIVING INSTRUCTION FROM A KNOWN LANDMARK TO LOCATION OF ENCROACHMENT,
   I.E., INTERSECTION OF COUNTY ROADS, STATE HIGHWAYS OR TOWN, ETC.

___ON SEPTEMBER 3, 2016 THE COUNTY WILL HOLD THE ANNUAL LABOR DAY PARADE
BETWEEN 11 AM AND 12:30 PM. HWY 140 WILL BE CLOSED TO TRAFFIC DURING THAT TIME.
THIS REQUIRES A DETOUR ON 3RD TO BULLION TO JONES. THE CALTRANS ENCROACHMENT
PERMIT IS SUBMITTED FOR THE HWY 140 CLOSEURE. ASSISTANCE FROM THE PUBLIC WORKS
ROADS DIVISION IS REQUIRED FOR DEPLOYMENT OF BARRIACDES, CONES AND NO PARKING
SIGNS.

4. ATTACH MAP SHOWING LOCATION AND SKETCHES SHOWING WHAT IS TO BE DONE, SHOW
   LOCATION OF THE STAKE MARKING PROPOSED ENCROACHMENT OR WORK TO BE DONE.

   ___ MAP ATTACHED.

5. ASSESSOR’S PARCEL NUMBER: __N/A____________________

6. ADDRESS OF PARCEL: _______________N/A____________________

APPLICANT IS REQUIRED TO STAKE THE ENCROACHMENT WITH THE PINK CARD PROVIDED
AND/OR NEW MAILBOX LOCATION WITH THE GREEN CARD PROVIDED.

NO PERMIT WILL BE ISSUED UNTIL POSTING HAS BEEN COMPLETED AND APPROPRIATE FEES
HAVE BEEN COLLECTED. WORK WILL NOT BE STARTED UNTIL AN ENCROACHMENT PERMIT
HAS BEEN ISSUED BY THE DEPARTMENT OF PUBLIC WORKS.

PERMIT NO.______________

__________________________
Rick Peresan (Lions Club)
OWNERS NAME (Please print)

__________________________
Owners NAME (Please print)

DATE ISSUED ______________

__________________________
SIGNATURE OF OWNER/APPLICANT
__PO BOX 801
OWNERS MAILING ADDRESS
_MARIPOSA __CA __95338
CITY STATE ZIP
_966 8029
PHONE NUMBER
Mariposa County
Department of Public Works

4639 Ben Hur Road
Mariposa, CA 95338
(209) 966-5356 office
(209) 966-2828 fax
www.mariposacounty.org

Team, Service, Stewardship

Rick Peresan
P.O. Box 801
Mariposa, CA 95338

Permit No.: 5058
One Day Event Permit
September 3, 2015

In compliance with your application of July 5, 2016, and subject to all the terms, conditions and restrictions written below and/or attached as general provisions on any part of this form.

AT: Coakley Circle-Staging Area and Road Closures-4th Street thru 13th Street.

Permission granted: Annual Labor Day Parade September 3, 2016 – Close 4th Street thru 13th Street For Non Access To Highway 140 Which Will Host The Parade. Coakley Circle Access For Parade Staging Area. Closure time: 8:00 A.M. to 2:00 P.M.

Time Of Parade: 11:00 A.M. to 12:30 P.M.

1. Applicant shall comply with all applicable Federal, State, and Local Laws and Regulations.
2. Financially responsible for any and all damages to County Property.
3. Applicant shall notify the County within 24 hours of any emergency.
4. Applicant to notify proper safety/public organizations of event: CalFire, CHP, Mariposa County Sheriff, Public Utilities District, YARTS, Mercy Ambulance and Mariposa County Fire.

- Proper traffic control and signing will be maintained within the County Road or Right-Of-Way. Traffic control will be provided by CHP and the Sheriff’s Office.
- Any resulting road failure shall be repaired, upon request of this office, by the applicant or applicant’s contractor.
- Any change other than approved above, requires prior approval.
- This permit must be in possession of applicant and/or event coordinator.
- This permit is to be strictly construed and no other event than that specifically mentioned above is hereby authorized.

Issued By

Date: 7-13-16

Mariposa County Public Works Roads Division Will Provide Deployment Of Barricades, Cones And No Parking Signs.
ENCROACHMENT PERMIT
GENERAL PROVISIONS
revised 3-18-99

1. DEFINITION: This permit is issued under County Ordinance No. 156, adopted by the Board of Supervisors, October 25, 1950. The term encroachment is used in this permit as defined in Chapter 3, of the Streets and Highways Code. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.

2. ACCEPTANCE OF PROVISIONS: It is understood and agreed by the permittee that the doing of any work under this permit shall constitute an acceptance of these provisions.

3. NOTICE PRIOR TO STARTING WORK: Before starting work on which an inspection is required, or whenever stated on the face of the permit, the permittee shall notify the Permit Inspector, of the Public Works Department. Such notice shall be given at least two days in advance of the date work is to begin.

4. PERMITS FROM OTHER AGENCIES: Permittee(s) shall secure a written order of consent to any work being done under this permit from the Public Utilities Commission, State of California or any other public board having jurisdiction, when such is required by law. This permit shall be suspended until such order of consent is obtained. The Building department should be notified, for possible Grading permit, when the scope of work is to continue beyond the limit of the County right-of-way.

5. PROTECTION OF TRAFFIC: Adequate provision shall be made for the protection of the traveling public. Barricades shall be placed with flashing lights at night, also flagpersons employed, all as may be required by the particular work in progress.

6. MINIMUM INTERFERENCE WITH TRAFFIC: All work shall be planned and carried out so that there will be minimum inconvenience to the traveling public.

7. CLEAN UP OF RIGHT-OF-WAY: Upon completion of the work, all trash, timber scraps and material shall be removed and the right-of-way left in a presentable condition.

8. STANDARDS OF CONSTRUCTION: All work shall conform to the standard plans of the Mariposa County Standard Plans and the Mariposa County Road Improvement Circulation Policy.

9. SUPERVISION OF THIS DEPARTMENT: All work shall be done subject to the satisfaction of the Department of Public Works.
10. **FUTURE MOVING OF INSTALLATION:** It is understood by the permittee that whenever construction, reconstruction or maintenance work on the road may require, the installation provided for herein shall, upon request of the Public Works Department, be immediately moved by, and at the sole expense of the permittee.

11. **LIABILITY FOR DAMAGES:** The permittee is responsible for all liability for personal injury or property damage which may arise out of work herein permitted, or which may arise out of failure on the permittee's part to perform his obligations under this permit in respect to maintenance. In the event any claim of such liability is made against the County of Mariposa or any other department, officer or employee thereof, permittee shall defend, indemnify, and hold them, or any one of them harmless from such claim.

12. **MAKING REPAIRS:** The Department of Public Works will give the permittee reasonable written notice of its observation of repairs needed. If the Director of Public Works does not elect to make the repairs, the permittee shall make such repairs promptly upon said written notice. In every case the permittee shall be responsible for restoring any portion of the road which has been excavated and otherwise disturbed to its former condition as nearly as may be possible except where the Director of Public Works elects to make repairs to paving as above provided and except where provision to the contrary is made in the type-written portion of the permit.

If the Director of Public Works does elect, repairs to paving which has been disturbed shall be made by the employees of the Department of Public Works and the expenses thereof shall be borne by the permittee. All costs for laborers, inspectors, etc., employed by said Department of Public Works for or on account of the work herein contemplated, shall be borne by said permittee. The Director of Public Works may elect to require a deposit before starting repairs, in an amount sufficient to cover the estimated cost thereof.

13. **CARE OF DRAINAGE:** If the work herein contemplated shall alter established drainage courses, provision shall be made by the permittee to minimize any impacts to the County Road and down stream properties and install any drainage structures as may be directed by the Department of Public Works.

14. **SUBMIT LOCATION PLAN:** Upon completion of underground or surface work of consequence, the permittee shall furnish plans to the Department of Public Works showing location and detail.

15. **MAINTENANCE:** The permittee agrees by acceptance of this permit to exercise reasonable care to maintain properly an encroachment placed by him in the roadway right-of-way. The permittee is to exercise reasonable care in inspecting for the immediate repairing of and making good any damage to any portion of the roadway which occurs as a result of the maintenance of the encroachment in the roadway or as a result of the work done under this permit. This includes any and all damage to the roadway which would not have occurred had such work not been done or such encroachment not placed therein.
16. BACKFILLING: All backfilling is to be moistened as necessary and compacted to State Standard specifications. (State of California, Department of Transportation, current edition)

17. PRESERVE SURFACING MATERIAL: Whenever a gravel or crushed rock surface is trenched, such material shall be placed at one side. When backfilling is started, the rock material shall be replaced to its original position.

18. MAINTAIN SURFACE: The permittee shall maintain the surface over structures placed hereunder as long as necessary.

19. PIPES ALONG THE ROADWAY: Pipes and utilities paralleling the pavement shall be located at the distance from the traveled way and at such depth as to continue existing drainage patterns or as specifically directed on the face the permit.

20. UTILITIES CROSSING PAVED COUNTY ROADS: Any water lines or other utility encroachments crossing paved county roads shall be backfilled with a 2 sack concrete slurry to within 2 inches of the surface and then paved with a 2 inch thickness of hot mix asphalt, unless otherwise provided in the permit.

21. EXISTING UNDERGROUND UTILITIES: It is the responsibility of the permittee to have any existing underground utilities, such as telephone cable, drainage facilities, etc. located before beginning any excavation.

22. NOTICE OF COMPLETION: It is the responsibility of the permittee to notify the Department of Public Works when the construction of the encroachment is complete so that a final inspection and acceptance can be made.

23. REISSUE TO PERMITS: Permits will generally be good for one year from date of issue. A reissue fee (currently $25.00) will be charged for lapsed permits.

24. RESPONSIBILITY OF THIS DEPARTMENT: An Encroachment Permit is issued for the purpose of controlling work done within the road right-of-way for the purpose of protecting the road surface and the traveling public. An Encroachment Permit does not confer any permission to do any work outside of the road right-of-way or to access across any land adjacent to the road. It is the responsibility of the permittee to insure that the encroachment is placed along road frontage of property belonging to the permittee or within an easement in which the permittee has access rights.
TABLE 1

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<th>SPEED (MPH)</th>
<th>TAPER LENGTH</th>
<th>MEDIUM L</th>
<th>SHITTING L/2</th>
<th>SHITTING L/3</th>
<th>TAPER</th>
<th>TONE</th>
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**Note:** For other speeds, use the following tapering length formulas for L:
- For speed of 45 mph or less, L = 25/70
- For speed of 45 mph or more, L = 25

**Legend:**
- N = 96% of allowable speed
- I = 50% of allowable speed
- D = 19% of allowable speed

**Legend:**
- Taper length is feet
- Collision factor is 1.1
- Taper 1, 2, or 3 = 1.1 x N

**Legend:**
- Use for taper and support sections
- A conflict between existing pavement markings and channelizers (25k).

TABLE 2

<table>
<thead>
<tr>
<th>SPEED (MPH)</th>
<th>L/2</th>
<th>L/3</th>
<th>TON</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>24</td>
<td>7.4</td>
<td>16</td>
</tr>
<tr>
<td>20</td>
<td>43</td>
<td>62</td>
<td>17</td>
</tr>
<tr>
<td>25</td>
<td>50</td>
<td>60</td>
<td>18</td>
</tr>
<tr>
<td>30</td>
<td>76</td>
<td>76</td>
<td>19</td>
</tr>
<tr>
<td>35</td>
<td>97</td>
<td>97</td>
<td>20</td>
</tr>
</tbody>
</table>

**Note:**
- Use for taper and support sections
- A conflict between existing pavement markings and channelizers (25k).

TABLE 3

<table>
<thead>
<tr>
<th>ROAD TYPE</th>
<th>DISTANCE (IN FEET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>250</td>
<td>250</td>
</tr>
</tbody>
</table>

**Note:**
- Use for taper and support sections
- A conflict between existing pavement markings and channelizers (25k).